

Amendments to the Claims

Please add new Claims 13 and 14 to read as follows. Note that all the claims currently pending in this application, including those not presently being amended, have been reproduced below.

1. (Previously amended) A recording apparatus for recording on recording sheets by recording means, said recording apparatus comprising:

a transporting roller for transporting the recording sheets, said transporting roller being positioned upstream of the recording means relative to the transporting direction;

a proximal discharging roller for transporting the recording sheets, said proximal discharging roller being positioned downstream of the recording means relative to the transporting direction and having deviations from a nominal circumference within a first range; and

a distal discharging roller disposed downstream of said proximal discharging roller relative to the transporting direction, said distal discharging roller having deviations from a nominal circumference within a second range and being of higher precision than said proximal discharging roller in that the second range is less than the first range.

2. (Previously amended) A recording apparatus according to Claim 1, said proximal discharging roller and said distal discharging roller each comprising:

a shaft serving as a center of rotation; and
a rubber roller portion for integrally rotating with said shaft to transport the recording sheets,

wherein the shaft of said distal discharging roller is formed of metal, and the shaft of said proximal discharging roller is formed of resin.

3. (Previously amended) A recording apparatus according to Claim 2, wherein said distal discharging roller is formed by polishing.

4. (Previously amended) A recording apparatus according to Claim 1, further comprising slave rollers each rotating synchronously with said proximal and distal discharging rollers, wherein the pressing force of a distal slave roller rotating synchronously with said distal discharging roller is greater than that of a proximal slave roller rotating synchronously with said proximal discharging roller.

5. (Previously amended) A recording apparatus according to Claim 1, further comprising load torque providing means for providing load torque to said distal discharging roller.

6. (Previously amended) A recording apparatus according to Claim 5, wherein said load torque providing means comprises a leaf spring and friction pad for pressing against the shaft of said distal discharging roller.

7. (Previously amended) A recording apparatus according to Claim 5, wherein said load torque providing means comprises a clutch spring wound onto said shaft of said distal discharging roller.

8. (Previously amended) A recording apparatus according to Claim 5, wherein said load torque providing means comprises a compression coil spring for pressing against a gear on the axis of said distal discharging roller.

9. (Previously amended) A recording apparatus according to Claim 1, wherein the friction coefficient between said distal discharging roller and the recording sheets is greater than the friction coefficient between said proximal discharging roller and the recording sheets.

10. (Previously amended) A recording apparatus according to Claim 1, wherein said recording means comprises a recording head which records on the recording sheets by discharging ink.

11. (Previously amended) A recording apparatus according to Claim 10, wherein said recording head applies electricity to electro-thermal converters in accordance with signals, and discharges the ink using thermal energy generated by said electro-thermal converters.

12. (Previously added) A method of manufacturing a recording apparatus for recording on recording sheets by recording means, said method comprising the steps of:

forming a transporting roller for transporting the recording sheets, and positioning the transporting roller upstream of the recording means relative to the transporting direction;

forming a proximal discharging roller for transporting the recording sheets, and positioning the proximal discharging roller downstream of the recording means relative to the transporting direction; and

forming a distal discharging roller in a process of higher precision than that of a process for forming the proximal discharge roller, and positioning the distal discharging roller downstream of the proximal discharging roller relative to the transporting direction.

13. (New) A recording apparatus for recording on recording sheets by recording means, said recording apparatus comprising:

a transporting roller for transporting the recording sheets, said transporting roller being positioned upstream of the recording means relative to the transporting direction;

a proximal discharging roller for transporting the recording sheets, said proximal discharging roller being positioned downstream of the recording means relative to the transporting direction, said proximal discharging roller having a shaft serving as a

center of rotation formed of resin and a rubber roller portion for integrally rotating with said resin shaft to transport the recording sheets; and

a distal discharging roller disposed downstream of said proximal discharging roller relative to the transporting direction, said distal discharging roller having a shaft serving as a center of rotation formed of metal and a rubber roller portion for integrally rotating with said metal shaft to transport the recording sheets.

14. (New) A recording apparatus according to Claim 13, wherein said proximal discharging roller has deviations from a nominal circumference within a first range, and said distal discharging roller has deviations from a nominal circumference within a second range and is of higher precision than said proximal discharging roller in that the second range is less than the first range.